

**IN THE SPECIFICATION:**

**Paragraph [0042] has been amended as follows:**

The vacuum pump in accordance with a first example of the invention for solving one of the problems with the above-described conventional art is a vacuum pump which generates vacuum by rotating a rotor to suck and discharge a gas, characterized by including an electrical equipment section for rotating the rotor; a stator column containing the electrical equipment section; a base formed integrally with the stator column; and a cooling water pipe buried in the wall of the stator column, and provided with a branched water inlet port and a branched water outlet port.

**Paragraph [0075] has been amended as follows:**

A preferred embodiment of a vacuum pump in accordance with a first example of the invention will now be described in detail with reference to Figures 1 to 3.

**Paragraph [0101] has been amended as follows:**

Next, preferred embodiments of vacuum pumps 200, 300 and 400 in accordance with a second example of the invention will be described in detail with reference to Figures 4 to 6.

**Paragraph [0102] has been amended as follows:**

Figures 4(a) and 4(b) are sectional views of vacuum pumps 200 and 300 in accordance with the second example a second invention, showing that even in the vacuum pumps having different performance, their components are made common. Figure 5 is a horizontal sectional view of a vacuum pump 200 or 300 in accordance with the present invention, being at a position where

a cooling water pipe 204 is buried in a stator column 202a. Figure 6 is a sectional view showing a state in which a (second) cooling water pipe 204A and a heater 411 are installed to a thread pump stator of the vacuum pump in accordance with the second invention of the present invention.

**Paragraph [0138] has been amended as follows:**

The vacuum pump 400 in accordance with another embodiment of the second example of the invention will be described with reference to Figure 6.

**Paragraph [0149] has been amended as follows:**

Figure 1 is a sectional view of a vacuum pump in accordance with a first example of the invention;

Figure 2 is a horizontal sectional view at a position where a cooling water pipe is buried in a stator column of the vacuum pump in accordance with the first invention example;

Figure 3 is an enlarged sectional view of an end of a cooling water pipe of the vacuum pump in accordance with the first invention example;

Figure 4(a) is a sectional view of a vacuum pump in accordance with a second example of the invention, and Figure 4(b) is a sectional view of a vacuum pump having another shape in accordance with the second invention example;

Figure 5 is a horizontal sectional view at a position where a cooling water pipe is buried in a stator column of the vacuum pumps shown in Figures 4(a) or 4(b);

Figure 6 is a sectional view of a vacuum pump of another embodiment in accordance with the second invention example;

Figure 7 is a sectional view of a conventional vacuum pump relating to the first invention example; and

Figure 8(a) is a sectional view of a conventional vacuum pump relating to the second ~~invention~~ example, and Figure 8(b) is a sectional view of a conventional vacuum pump having another shape relating to the second ~~invention~~ example.